

UK FMD #4

**FOOT AND MOUTH DISEASE  
IN THE UNITED KINGDOM  
2001**

**REPORT NO 3**

**11 MARCH 2001**

**Ministry of Agriculture, Fisheries and Food  
11 March 2001**

## 1. SUMMARY

- 1.1 An outbreak of Foot and Mouth Disease was confirmed pigs at an abattoir in Essex on 20 February 2001. Laboratory examinations carried at the Institute for Animal Health Pirbright out on tissue samples taken from the affected animals, showed that the virus was FMD type O, Pan Asia strain. This strain has been associated with outbreaks of FMD in Japan, Korea, Russia, Mongolia.
- 1.2 The total number of confirmed outbreaks of Foot and Mouth Disease in Great Britain currently stands at 141. A single outbreak of FMD was also confirmed in N. Ireland on 1 March 2001.
- 1.3 The majority of outbreaks have involved sheep destined for slaughter, though disease has been diagnosed in cattle and pigs. In addition to holdings on which disease has been confirmed, animals on 115 holdings considered to be at risk from FMD through contacts with an infected holding, have also been killed. A total of 101,355 animals (18,156 cattle, 79,110 sheep, 13 goats and 4,076 pigs) are affected on the 141 holdings where FMD has been confirmed and 23,732 animals (6,394 cattle, 16,923 sheep, 2 goats and 413 pigs) on the 115 holdings considered at risk from FMD.
- 1.4 On the basis of current epidemiological knowledge, a pig holding in the County of Tyne and Wear is thought to have been the source of the subsequent outbreaks, infection having spread to pig holdings in the County of Essex through the movement of pigs and people and local airborne spread, and to sheep and cattle holdings in the Counties of Tyne & Wear. Thereafter disease spread to other counties in Great Britain and to Northern Ireland through the movement of animals, people and vehicles.
- 1.5 All the measures foreseen in Council Directive 85/511/EEC have been applied. Protection and surveillance zones with radii of at least 3-km and 10-km have been imposed around each infected holding, the surveillance zones having been extended to take account of the prevailing wind conditions at the time between the introduction of disease and its first detection.
- 1.6 On 23 February, The Foot and Mouth Disease Declaratory (Controlled) Area Order 2001 was made making England and Wales a controlled area for the purposes of FMD control and prohibiting the movement of all FMD susceptible animals and their carcasses in the whole of England and Wales except under license and banning the holding of fairs, markets, shows or other gatherings of animals. This Order expired on 2 March and was replaced by The Foot and Mouth Disease Declaratory (Controlled Area)(England & Wales)(No 2) Order 2001 which, while, continuing to prohibit the movement of all FMD susceptible animals and their carcasses in the whole of England and Wales, provides for the movement of animals of any species direct to abattoirs for slaughter.



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## 2. CHRONOLOGY AND LEGAL MEASURES

Title	Number	Date
The Foot-and-Mouth Disease Order 1983 – Basic legislation.	1983/1950	22.12.83
The Foot-and-Mouth Disease (Infected Areas) (Vaccination) Order 1972 – requires owners to present animals for vaccination if required	1972/1509	06.10.72
The Foot-and-Mouth Disease (Amendment) (No2) Order 1993 – makes provision for the confinement of animals on common land	1993/3119	10.12.93
Suspect Foot and Mouth Disease (FMD) reported in pigs sourced from two farms in Bucks and IOW, Hants, in an abattoir in Essex. Samples sent to IAH Pirbright for laboratory examination. All three premises placed under official veterinary control (Forms A) and an 8km infected area established around the abattoir (Form C) .		19.02.01
<b>Outbreak FMD 2001/01 confirmed</b> The Foot and Mouth Disease Declaratory Order 2001 made declaring the area within a 10-km radius of FMD 2001/01 an Infected area and prohibiting the movement of animals susceptible to FMD from the infected holding and the movement of animals on public and private roads in the infected area other than those transiting the area via a motorway or railway, prohibiting artificial insemination other than with semen on the holding or delivered to the holding by an insemination centre and banning the holding of fairs, markets, shows or gathering of animals in an infected area around infected premises FMD 2001/01	2001/517	20.02.01
<b>Outbreak FMD 2001/02 confirmed</b> Commission Decision 2000/474 concerning certain protection measures with regard to foot and mouth disease in the United Kingdom comes into force prohibiting the export of live animals of the bovine, porcine, ovine and caprine species and other biungulates, fresh meat, meat products, milk, milk products, semen, embryos, hides and skins from the UK to other parts of the Community The Export Restrictions (Foot and Mouth Disease) Regulations 2001 come into force	2001/517	21.02.01

1.7 On 21 February, Commission Decision 2001/145 (replaced on 1 March by Decision 2001/172 and on 9 March by Decisions 2001/190) came into force and banned the export from the whole of the UK of live animals, germplasm, fresh meat, meat products, milk and milk products, hides and skins of FMD susceptible species. Derogations to the export ban were given for the above commodities subject to the conditions laid down in Decision 2001/145. The ban does not apply to poultry, horses, cats and dogs. It has been implemented through The Export Restrictions (Foot & Mouth Disease) Regulations 2001.

2001/145	2001/145	Commission Decision 2001/145 (replaced on 1 March by Decision 2001/172 and on 9 March by Decisions 2001/190) came into force and banned the export from the whole of the UK of live animals, germplasm, fresh meat, meat products, milk and milk products, hides and skins of FMD susceptible species. Derogations to the export ban were given for the above commodities subject to the conditions laid down in Decision 2001/145. The ban does not apply to poultry, horses, cats and dogs. It has been implemented through The Export Restrictions (Foot & Mouth Disease) Regulations 2001.
2001/172	2001/172	Commission Decision 2001/172 (replaced on 1 March by Decision 2001/190) came into force and banned the export from the whole of the UK of live animals, germplasm, fresh meat, meat products, milk and milk products, hides and skins of FMD susceptible species. Derogations to the export ban were given for the above commodities subject to the conditions laid down in Decision 2001/172. The ban does not apply to poultry, horses, cats and dogs. It has been implemented through The Export Restrictions (Foot & Mouth Disease) Regulations 2001.
2001/190	2001/190	Commission Decision 2001/190 (replaced on 1 March by Decision 2001/190) came into force and banned the export from the whole of the UK of live animals, germplasm, fresh meat, meat products, milk and milk products, hides and skins of FMD susceptible species. Derogations to the export ban were given for the above commodities subject to the conditions laid down in Decision 2001/190. The ban does not apply to poultry, horses, cats and dogs. It has been implemented through The Export Restrictions (Foot & Mouth Disease) Regulations 2001.

(No. 3) Order 2001 - Amends No 2 Order		
The Foot-and-Mouth Disease Declaratory (No. 5) Order 2001 Creates Infected Area in Gloucestershire, Hereford, Monmouthshire, and Worcester	2001/557	26.02.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 4) Order 2001 Amends No 3 Order	2001/558	26.02.01
<b>Outbreak FMD 2001/13 - 18 confirmed</b>		<b>27.02.01</b>
The Foot-and-Mouth Disease (Amendment) (England) Order 2001 – gives local authorities power to close footpaths	2001/571	27.02.01
The Foot-and-Mouth Disease Declaratory (No. 6) Order 2001- revokes and remakes No 6 Order with technical correction	2001/579	27.02.01
The Foot-and-Mouth Disease Declaratory (No. 7) Order 2001 – Creates Infected Area in Gwynedd	2001/580	27.02.01
The Foot-and-Mouth Disease Declaratory (No. 8) Order 2001 – Creates Infected Area in Lancashire and Greater Manchester	2001/581	27.02.01
The Foot-and-Mouth Disease Declaratory (No. 9) Order 2001 – Creates Infected Area in Durham, Northumberland and Cumbria	2001/592	27.02.01
The Foot-and-Mouth Disease Declaratory (No. 10) Order 2001 – Creates Infected Area in Buckinghamshire and Northamptonshire	2001/593	27.02.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 5) Order 2001 – Amends No 3 Order	2001/594	27.02.01
<b>Outbreak FMD 2001/ 19 – 27 confirmed</b>		<b>28.02.01</b>
The Foot-and-Mouth Disease Declaratory (No. 11) Order 2001 – Creates Infected area in Gloucestershire, Gwynedd, Hereford, Monmouthshire, Powys, Shropshire and Worcester; revokes No 6 Order	2001/621	28.02.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 6) Order 2001 – Amends No 8 Order	2001/622	28.02.01
The Foot-and-Mouth Disease Declaratory (No. 12) Order 2001 – Creates Infected Area in Leicestershire, Lincolnshire, Nottinghamshire and Rutland	2001/632	28.02.01
The Foot-and-Mouth Disease Declaratory (No. 13) Order 2001 – Creates Infected Area in Warwickshire and Leicestershire	2001/633	28.02.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 7) Order 2001 – Amends the original Declaratory Order	2001/634	28.02.01
<b>Title</b>	<b>Number</b>	<b>Date</b>
<b>FMD 2001/ 28 – 33 confirmed</b>		<b>01.03.01</b>



<b>Title</b>	<b>Number</b>	<b>Date</b>
<b>Outbreak FMD 2001/03 confirmed</b>		<b>22.02.01</b>
<b>Outbreaks FMD 2001/4,5,6 confirmed</b> The Foot-and-Mouth Disease Declaratory (Controlled Area) Order 2001 declares England and Wales a controlled area for the purposes of FMD control and prohibiting (a) the movement of FMD susceptible animals and their carcasses (except the carcasses of animals slaughtered for human consumption or the carcasses of animals suspected as being infected with BSE and scrapie for disposal) in the whole of England and Wales except under license (b) the holding of fairs, markets, shows or other gatherings of animals and (c) prohibiting hunting and stalking. Similar legislation made in Scotland. General licence issued under the Foot and Mouth Disease Declaratory (Controlled) Area Order 2001 to permit the movement of animals which at the time of coming into force of the Controlled Area were located at markets, fairs or collection centres and then only to the premises of the owner or purchaser or to slaughter.	2001/530	<b>23.02.01</b>
The Foot-and-Mouth Disease Declaratory (Amendment) Order 2001 Amends Declaratory Order 2001	2001/531	23.02.01
The Foot-and-Mouth Disease Declaratory (No. 2) Order 2001 – creates Infected Area in Tyne and Wear, Durham and Northumberland	2001/532	23.02.01
<b>Outbreak FMD 2001/07 confirmed</b>  General licence No2 issued under the Foot and Mouth Disease Declaratory (Controlled) Area Order 2001 permitting the movement of animals which died on farm or which were killed for reasons of animal welfare to knackers yards, rendering plants and hunt kennels under strict controls to prevent the spread of FMD.		<b>24.02.01</b>
The Foot-and-Mouth Disease Declaratory (No. 3) Order 2001 creates Infected Area in Devon	2001/533	25.02.01
<b>Outbreak FMD 2001/08, 9, 10, 11, 12 confirmed</b>		<b>26.02.01</b>
The Foot-and-Mouth Disease Declaratory (No. 4) Order 2001 – creates Infected area in Swindon and Wiltshire	2001/555	26.02.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 2) Order 2001- amends No 3 Order	2001/556	26.02.01
<b>Title</b>	<b>Number</b>	<b>Date</b>
The Foot-and-Mouth Disease Declaratory (Amendment)	2001/564	26.02.01



The Foot-and-Mouth Disease Declaratory (Amendment) (No. 16) Order 2001 – Amends No 14 Order	2001/752	06.03.01
The Foot-and-Mouth Disease Declaratory (Controlled Area) (England and Wales) (No. 2) (Amendment) Order 2001 – Removes control of slaughterhouse and knackery products in Controlled Areas if controlled by other specific legislation	2001/700	06.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 17) Order 2001 – Removes control of slaughterhouse and knackery products in Infected Areas if controlled by other specific legislation	2001/738	06.03.01
<b>Outbreaks FMD 2001/ 81 – 95 confirmed</b>		<b>07.03.01</b>
The Foot-and-Mouth Disease Declaratory (No. 18) Order 2001 – Combines with amendment the Infected Areas covered by Orders 8 and 14	2001/796	07.03.01
<b>Outbreaks FMD 2001/ 96 – 114 confirmed</b>		<b>08.03.01</b>
The Foot-and-Mouth Disease Declaratory (No. 19) Order 2001- Combines with amendment the Infected Areas covered by Orders 13 and 16	2001/	08.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 18) Order 2001 – Amends No 4 Order	2001/	08.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 19) Order 2001- Amends No 3 Order	2001/	08.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 20) Order 2001 – Technical amendment with the same effect as No 17 Amendment	2001/	08.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 21) Order 2001 – Amends No 15 Order	2001/	08.03.01
<b>Outbreaks FMD 2001/ 115 – 134 confirmed</b>		<b>09.03.01</b>
Commission Decision 2001/190 replaces Decision 2001/172 and extends the export ban till 27 March 2001		09.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 22) Order 2001 – Amends No 15 Order	2001/	09.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 23) Order 2001 – Technical amendment to replace control over movement of carcasses in Infected Area	2001/	09.03.01
<b>Title</b>	<b>Number</b>	<b>Date</b>
The Foot-and-Mouth Disease Declaratory (Controlled area) (England and Wales) (No 2) (Amendment) (No 2) Order 2001 - Technical amendment to replace control over movement of carcasses in Controlled Area	2001/	09.03.01

Commission Decision 2001/172 replaces and Decision 2001/145 and extends the export ban to 9 March		01.03.01
The Foot-and-Mouth Disease Declaratory (No. 14) Order 2001 – Combines with amendment the Infected Areas covered by Orders No 2 and No 9	2001/653	01.03.01
<b>Outbreaks FMD 2001/ 34 – 42 confirmed</b>		<b>02.03.01</b>
The Foot-and-Mouth Disease (Amendment) (England) (No. 2) Order 2001 – Provides power to stop people going on to land	2001/680	02.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 8) Order 2001 – Amends No 14 Order	2001/670	02.03.01
The Foot-and-Mouth Disease Declaratory (No. 15) Order 2001 – Creates Infected Area in Worcestershire and Warwickshire	2001/667	02.03.01
The Foot-and-Mouth Disease Declaratory (No. 16) Order 2001 Creates Infected Area in Staffordshire, Derbyshire and Stoke-on-Trent	2001/668	02.03.01
The Foot-and-Mouth Disease Declaratory (Controlled Area) (England and Wales) (No. 2) Order 2001 – permits movement for slaughter under license	2001/642	02.03.01
<b>Outbreaks FMD 2001/ 43 – 56 confirmed</b>		<b>03.03.01</b>
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 9) Order 2001 – Amends No 3 Order	2001/671	03.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 10) Order 2001 – Amends No 14 Order	2001/672	03.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 11) Order 2001 – Amends No 8 Order	2001/673	03.03.01
The Foot-and-Mouth Disease Declaratory (No. 17) Order 2001 – Creates Infected Area in Buckinghamshire, Milton Keynes, Northamptonshire and Oxfordshire	2001/669	03.03.01
<b>Outbreaks FMD 2001/ 57 – 68 confirmed</b>		<b>04.03.01</b>
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 12) Order 2001 – Amends No 3 Order	2001/674	04.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 13) Order 2001 – Permits movements of animals through Infected Areas by Motorway, trunk road or railway	2001/675	04.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 14) Order 2001- Amends No 16 Order	2001/676	04.03.01
<b>Outbreaks FMD 2001/ 69 – 75 confirmed</b>		<b>05.03.01</b>
<b>Title</b>	<b>Number</b>	<b>Date</b>
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 15) Order 2001 – Amends No 15 Order	2001/689	05.03.01
<b>Outbreaks FMD 2001/ 76 – 80 confirmed</b>		<b>06.03.01</b>

### **3. OUTBREAKS OF FOOT AND MOUTH DISEASE IN THE UNITED KINGDOM (GREAT BRITAIN)**

#### **3.1 Initial detection of disease**

3.1.1. A suspected case of Foot and Mouth Disease (FMD) in pigs in an abattoir in Essex (ADNS Region 01300) was reported to the Ministry of Agriculture, Fisheries and Food (MAFF)'s Animal Health Divisional Office (AHDO), Chelmsford, Essex, England on Monday 19 February 2001. A MAFF Veterinary Officer visited the premises the same day and after examining the pigs, placed the premises under official veterinary control and took samples of epithelial tissue, vesicular tissue and fluid for laboratory examination for FMD.

3.1.2 The pigs suspected as being infected with FMD comprised 68 cull sows originating from two holdings in Buckinghamshire (46 sows) and the Isle of Wight, Hampshire (22 sows). The pigs from these holdings had comprised a mixture of cull sows and fattened pigs and had arrived in the abattoir on Thursday 15 February. The fattened pigs had been slaughtered on the day after they arrived; the sows had remained in the lairage over the weekend pending slaughter on Monday 19 February.

3.1.3 In the course of ante-mortem inspection on 19 February, the abattoir's Official Veterinary Surgeon (OVS) noticed that some of the pigs were lame and had vesicular lesions on their feet and udders. The MAFF Veterinary Officer who examined the pigs later that day reported the presence of mainly ruptured vesicular lesions in the interdigital cleft and on the coronary bands of 27 sows (22 from the IOW and 5 from Bucks). There was no evidence of vesicles in the mouths or on the snouts of the pigs. A few sows had red spots on their udders. Fattened pigs originating from these two farms had not shown evidence of infection when they were slaughtered on 16 February. One individually housed boar that had arrived in the abattoir on 18 February was acutely lame and had vesicles on one foot.

#### **3.2 Laboratory diagnosis of disease**

3.2.1 Samples of epithelial and vesicular tissue plus vesicular fluid were submitted to the World Reference Laboratory for FMD, Institute for Animal Health, Pirbright, Surrey on 19 February for examination for FMD.

3.2.2 ELISA tests for FMD and virus isolation techniques were applied to the tissue and fluid samples submitted on 19 February. The results confirmed the presence of type O FMD virus.



The Foot-and-Mouth Disease Declaratory (No. 20) Order 2001 – Creates Infected Area in Somerset	2001/	09.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 24) Order 2001 – Amends No 3 Order	2001/	09.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 25) Order 2001 – Amends No 19 Order	2001/	09.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 26) Order 2001 – Amends No 7 Order	2001/	09.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 27) Order 2001 – Amends No 12 Order	2001/	09.03.01
<b>Outbreaks FMD 2001/ 135 - 141 confirmed</b>		<b>10.03.01</b>
The Foot-and-Mouth Disease Declaratory (No. 21) Order 2001- Revokes No 19 and further amends the area it covered	2001/	10.03.01
The Foot-and-Mouth Disease Declaratory (Amendment) (No. 28) Order 2001 – Amends first order	2001/	10.03.01

FMD are present, the VO, after consulting MAFF SVS HQ, will serve a notice (**Form C**) prohibiting the movement of animals within a radius of 8 km of the premises concerned and arrange for sample from the affected animal(s) to be sent to the Institute of Animal Health, Pirbright for testing. The VO reports his/her findings to MAFF SVS HQ where the Chief Veterinary Officer will confirm the outbreak if the laboratory results confirm the presence of an FMD virus. The Chief veterinary Officer may, if he considers necessary, confirm the presence of disease on the basis of clinical signs alone and without waiting for the results of laboratory tests.

3.5.2 Where an outbreak of FMD is confirmed, an Infected Area with a radius of at least 10 km is established around the infected holding, although its size may be increased if the prevailing weather conditions are likely to spread the disease further. Notices are posted at all entrances to the premises and a policeman or local authority inspector controls the movement of people on and off the farm. An approved disinfectant is provided so that footwear, clothing and vehicles may be disinfected before entering or leaving the premises. As soon as possible after confirmation of disease the infected animals are valued and slaughtered. Other susceptible animals are then valued and they too are slaughtered without delay.

3.5.3 The FMD Order 1983 also allows for the establishment of **Controlled Area Restrictions**. These may be applied to restrict movement of animals outside an Infected Area where there has been, or is likely to be, a risk of widespread dissemination of the disease; for instance, if an infected animal is found to have passed through a market.

3.5.4 Under the FMD Order 1983 official movement controls may be imposed on premises through the service of a notice (**Form D**) where animals may be at risk of from FMD through links with a holding on which FMD has been confirmed. Animals may also be killed as “**dangerous contacts**” where there is a high risk of them having been exposed to FMD and without waiting for the presence of disease to be confirmed.

3.5.5 The owners of premises where animals are killed as a result of FMD controls receive compensation in the form of the market value of the animal at the time it was killed.

### 3.6 Subsequent outbreaks

3.6.1 Following the confirmation of disease at FMD 2001/01, all the premises within 3-km of the holding were subject to an inspection by a MAFF veterinary officer and an epidemiological enquiry was initiated to identify the origin and source of infection. Details of the holdings on which FMD was subsequently confirmed are given in Section 7.

3.6.2 The two holdings in the IOW, Hants and Bucks that supplied pigs to FMD 2001/01 were visited by a MAFF VOs on 20 February. Both were placed under official veterinary control through the service of both Form A and Form C notices. As there was



### 3.3 Analysis of the viral genome

3.3.1 In addition to the established diagnostic tests for the FMD virus, additional tests were undertaken to analyse the nucleic acid sequence of the viral genome. These analyses showed that the virus was of the "Pan Asia" strain responsible for FMD outbreaks in Japan, Korea, Mongolia and Russia. It was also closely related to an isolate recently submitted from South Africa.

### 3.4 Action taken following confirmation of disease

3.4.1 On 20 February, the Chief Veterinary Officer, Jim Scudamore, declared an outbreak of FMD (FMD 2001/01) in Great Britain. The EU Commission and OIE were informed by fax. National and Local Disease Control Centres were established at the headquarters of the MAFF State Veterinary Service in London and at the Chelmsford AHDO, to oversee and subsequently direct subsequent action to deal with the outbreak.

3.4.2 Following confirmation of disease on the holding, the measures foreseen in Council Directive 85/511 were applied. **The Foot and Mouth Disease Declaratory Order 2001** was made under the Foot and Mouth Disease Order 1983. The area within a 10-km radius of the infected holding was made an "FMD Infected Area" within which the movement of all livestock on to and off premises where animals susceptible to FMD were kept was prohibited as was the movement of all FMD susceptible animals on public and private roads in the area, except under licence. The transport of animals through the area was permitted provide they transited the area by motorway or railway. Breeding by means of artificial insemination was prohibited unless the semen was already present on the holding or was delivered directly to the premises by an insemination center. The use of premises for fairs, markets, shows or other gatherings was also prohibited within the area

3.4.3 All the pigs at the abattoir were killed on 20/21 February. Some of the carcasses were destroyed by rendering on 21 February: the remainder were destroyed by burning on adjacent land on 25 February.

3.4.4 A map showing the location of the infected holding in Great Britain and the Infected Area established around it are at Figures 1.

### 3.5 Legislative controls for FMD in Great Britain

3.5.1 The Foot and Mouth Disease Order 1983 (as amended) implements the provisions of Council Directive 85/51/EEC in Great Britain. Anyone suspecting FMD in an animal is obliged by law to notify MAFF or the Police. Official movement restrictions are imposed on the premises by the service of a notice (**Form A**) prohibiting any animal, person or thing entering or leaving the premises except under licence, and an official investigation is carried out by a MAFF Veterinary Officer (VO). If signs suggestive of

**3.6.5 Outbreak FMD 2001/04:** On 22 February, FMD was confirmed on pig holding in the County of Tyne and Wear. The holding had sent pigs for slaughter to SF 01/2001. Signs of FMD were evident in pigs on the holding when a MAFF VO visited the premises on 22 February. FMD virus was detected in tissue samples submitted to IAH Pirbright on 22 February. All the animals on the holding were killed on 23/24 February and their carcasses were destroyed by burning on farm on 26 February. On 23 February, **The Foot and Mouth Disease Declaratory (No2) Order 2001** was made establishing an Infected Area around outbreak FMD 2001/04 in Tyne and Wear.

**3.6.6 Outbreak FMD 2001/06:** On 23 February, FMD was confirmed in a pedigree beef breeding/fattening herd in the County of Tyne and Wear on 23 February. The owner's veterinary surgeon had reported suspicion of disease on 23 February and clinical signs (lameness and vesicular lesions) were present in cattle on the holding when a MAFF VO visited later that day. There was no evidence of disease in the 234 sheep also on the premises. FMD virus was detected in tissue samples submitted to IAH Pirbright on 22 February. The premises was located 8-km away and downwind from FMD 2001/04 and infection is wind borne spread is presumed to have been responsible for the transmission of disease.

**3.6.7** All the animals on **two holdings** linked to outbreaks FMD 2001/04 and FMD 2001/06 were slaughtered as "**dangerous contacts**". All the pigs on one holding that supplied FMD 2001/04 with processed waste food were placed under Form A and Form C restrictions on 24 February. All the animals 24 cattle and 168 sheep on a second holding owned by the owner of FMD 2001/06 were killed as "dangerous contacts" and their carcasses destroyed by burning on farm.

**3.6.8** On 23 February, **The Foot and Mouth Disease Declaratory (Controlled Area) Order 2001** was under the Foot and Mouth Disease Order 1983 as amended, and came into force at 5 pm, declaring England and Wales a controlled area for the purposes of FMD control and prohibiting (a) the movement of FMD susceptible animals and their carcasses (except the carcasses of animals slaughtered for human consumption or the carcasses of animals suspected as being infected with BSE and scrapie for disposal) in the whole of England and Wales except under license (b) the holding of fairs, markets, shows or other gatherings of animals and (c) prohibiting hunting and stalking. Similar legislation made in Scotland. A General licence were later issued under the Foot and Mouth Disease Declaratory (Controlled) Area Order 2001 to permit the movement of animals which at the time of coming into force of the Controlled Area were located at markets, fairs or collection centres and then only to the premises of the owner or purchaser or to slaughter. General Licence No2 was subsequently issued under the Foot and Mouth Disease Declaratory (Controlled) Area Order 2001 permitting the movement of animals which died on farm or which were killed for reasons of animal welfare to knackery yards, rendering plants and hunt kennels under strict controls to prevent the spread of FMD

no evidence of disease at the time of the initial official inspections or on subsequent daily visits, movement restrictions were removed.

3.6.3 The FMD infected pigs found on FM 01/2001 had originated from a premises in East Yorkshire. This was identified, visited by a MAFF VO and placed under official veterinary control (Form A and Form C restrictions) on 20 February. As there was no evidence of disease at the time of the initial official inspections or on subsequent daily visits, movement restrictions were removed.

3.6.4 The operator of the abattoir where disease was initially confirmed (FMD 2001/01) owned or had an involvement with a number of other holdings in the locality. These were traced and placed under official veterinary control.

3.6.4.1 **Outbreak FMD 2001/02:** On 21 February, FMD was confirmed on a farm in the neighborhood of FMD 2001/01) in the County of Essex. Present on the farm were 37 pigs and 31 cattle. Clinical signs of FMD were evident in a bull on the holding when a MAFF VO visited it on 20 February. FMD virus was detected in tissue samples taken from the animals and submitted to IAH Pirbright on 20 February. All the animals on the farm were killed on 20/21 February and their carcasses destroyed by burning on 25 February.

3.6.4.2 **Outbreak FMD 2001/03:** On 22 February, FMD was confirmed in cattle on a holding 1-km away from FMD 2001/01 in the County of Essex. Lameness was evident in 2/27 cattle on the premises when a MAFF VO visited the premises on 22 February. The following day 6 cattle were found to be salivating. FMD virus was detected in tissue samples submitted to IAH Pirbright on 22 February. All the animals on the holding (199 cattle) were killed on 22 February and their carcasses destroyed by burning on farm on 25 February.

3.6.4.3 **Outbreak FMD 2001/05:** On 23 February, FMD was confirmed on a pig breeding/fattening unit some 4-5 miles east of SF 01/2001 in the County-of Essex. Clinical signs suggestive of FMD were evident in 40 sows on the holding when a MAFF VO visited the premises on 22 February.. All the animals on the holding were killed on 23 February and their carcasses destroyed by burning on farm on 26 February. On 23 February, **The Foot and Mouth Disease Declaratory (Amendment) Order 2001** was made extending the Infected Area established by The Foot and Mouth Disease Declaratory Order 2001 in Essex to take account of the outbreak FMD 2001/05

3.6.4.4 Animals on one **farm** in Essex were also destroyed as “**dangerous contacts**” on 23 February. Although there was no clinical evidence of FMD on the holdings when MAFF VOs visited the premises, the operator of FMD 2001/01 had visited them in the previous week and it was consider they were at risk from FMD as a consequence.



**FMD 2001/26** Sheep on a farm adjoining FMD 2001/5. Airborne spread from infected pigs is possible but wild birds (geese and starlings) move in large numbers between FMD 2001/5 and FMD 2001/26.

**FMD 2001/39** Cattle on premises contiguous to FMD 2001/02.

**FMD 2001/125** Colchester, Essex.

**FMD 2001/102** Essex. Disease in sheep, tracing from vehicle link from FMD 2001/01.

4.5 Pigs infected with FMD excrete vast quantities of virus. Airborne spread to susceptible animals, especially cattle, downwind is a recognised method of spread. There was considerable opportunity for airborne spread of virus downwind from infected pigs on the index farm (FMD 2001/04) in Northumberland between 10/02/01 and 23/02/01. It is believed that spread by the airborne route accounted for the following outbreaks in **Northumberland:**

**FMD 2001/6** Cattle and sheep on a holding downwind from the index farm FMD 2001/04.

**FMD 2001/10** Cattle on a holding 2 km east north-east of FMD 2001/04.

**FMD 2001/31** Cattle on a holding 1.8km due east of FMD 2001/04.

**FMD 2001/36** Sheep, on a holding 6 km due east of FMD 2001/04.

**FMD 2001/50** Sheep on a holding 1.4 kilometers north east of FMD 2001/04.

**FMD 2001/53** Cattle and sheep on a holding 1.8 km north west of FMD 2001/4.

**FMD 2001/55** Cattle at West Woodside, East Heddon, Newcastle-Upon-Tyne. West Woodside is 350 yards from the index case.

**FMD 2001/57** Sheep at Caring, Broom Hill Farm, Black Callerton, Tyne and Wear, 2km north east of FMD 2001/4.

4.6 There are possible lorry links between the index case at FMD 2001/4 and **Darlington market**. A group of sheep were moved from FMD 2001/6 to **Hexham market** on 13/02/01. It is believed that these sheep were already infected with foot-and-mouth disease as a result of airborne spread from pigs at FMD 2001/04. This movement had occurred before suspicion of FMD was first reported to the UK authorities on 19/02/01.

3.6.9 **Outbreak FMD 2001/07:** On 25 February, FMD was confirmed in cattle and sheep on a holding in Devon. The owner is a sheep dealer with a large number of premises. The owner's veterinary surgeon report the presence of a cow with FMD lesions and 50 cattle were salivating. A MAFF VO who examined the cattle found a cow with vesicles in the tongue, some of which had ruptured. Samples were submitted to the IAH Pirbright for laboratory examination: all were positive for FMD. On 25 February **The Foot and Mouth Disease Declaratory (No 3) Order 2001** was made establishing an infected area around outbreak FMD 2001/07 in Devon..

#### 4. SUBSEQUENT OUTBREAKS AND EPIDEMIOLOGICAL INVESTIGATIONS

4.1 Details of the FMD outbreaks confirmed to date, their geographical locations and epidemiological links are summarized in Annexes 1, 2 and 3.

4.2 Foot-and-mouth disease (FMD) was first reported from an abattoir in Essex (**FMD 2001/1**) on 19/02/01. The believed source of infection is from pigs sent from a commercial pig fattening unit in Northumberland. The date infection was introduced to the abattoir was originally believed to be 16/02/01 but it is now thought that virus was introduced by a previous consignment from the pig premises on 08/02/01.

4.3 Back tracing from the abattoir revealed infection in (**FMD 2001/4**), a commercial pig fattening unit (**FMD 2001/4**) in Northumberland. Investigations have shown that **FMD 2001/4** is the feasible index case. The source of infection is under investigation but could have been improperly processed catering waste. The owner of FMD 2001/04 had not reported suspicion of FMD in his pigs.. As a consequence there was considerable opportunity for dissemination of foot-and-mouth disease. The earliest estimated date for the introduction of infection, based on examination of lesions on pigs present on farm, is 02/02/2001. Virus excretion from the pigs on the unit is estimated to have occurred between 10/02/2001 and 23/02/01, when the herd was slaughtered out.

4.4 Spread from FMD 2001/1 accounted for the following cases, in the locality of the abattoir:

**FMD 2001/2** in cattle half a mile from the abattoir. Airborne spread is suspected but personnel contacts from the abattoir are also a possibility.

**FMD 2000/3** Cattle on a holding 1 km from the abattoir. There was movement of personnel between the abattoir and a farm. Virus from pigs from FMD 2001/4 is also a possibility. The farm is adjacent to the access route of lorries delivering stock to the abattoir.

**FMD 2001/5** Pigs by contact with personnel. The abattoir owner had contact with pigs on FMD 2001/05 on 15/02/01 and possibly at later dates.



- FMD 2001/81** Longtown, Cumbria. Disease in sheep on premises contiguous to fmd 2001/29.
- FMD 2001/88** Longtown Cumbria. Disease in cattle, premises contiguous to FMD 2001/37 and 77.
- FMD 2001/92** McCosh, Longtown, Cumbria. Disease in sheep, near to FMD 2001/50 and 27.
- FMD 2001/93** Longtown, Cumbria. Disease in sheep, near to FMD 2001/76 and 27.
- FMD 2001/96** Wigton, Cumbria. Disease in cattle. Sheep had been bought from Carlisle market and also an association with FMD 2001/15
- FMD 2001/104** Burgh-by-Sands, Carlisle. Disease in cattle, in the vicinity of FMD 2001/96
- FMD 2001/106** Penrith, Cumbria. Disease in cattle, possible vehicle contamination or link with agricultural students living on farm.
- FMD 2001/107** Longtown, Cumbria. Disease in sheep in the vicinity of Longtown market.
- FMD 2001/111** Lazenby, Cumbria. Disease in cattle, in the vicinity of FMD 2001/35.
- FMD 2001/113** Aspatia, Cumbria. Disease in cattle, links with Wigton market being investigated.
- FMD 2001/119** Baxter, Longtown Cumbria. Disease in cattle, linked with Longtown market.
- FMD 2001/126** Penrith. Disease in cattle, some students have been lodging on FMD 2001/106
- FMD 2001/131** Longtown, Cumbria. Disease in sheep, tracing from Longtown market.
- FMD 2001/132** Thackthwaite, Penrith. Disease in cattle, links to Longtown market.
- FMD 2001/133** Kirk Bampton, Carlisle. Disease in cattle, link with Carlisle market under investigation. Also in surveillance zone of FMD 2001/96.
- FMD 2001/136** Longtown Carlisle. Disease associated with Longtown market links.

4.7 Sheep were moved from **Hexham market** to **Longtown Market**. There are links between Longtown market and Welshpool market through hauliers. Infected sheep were moved from Longtown market to a dealer in Devon. The same dealer later sold sheep at Northampton market and to a dealer in Wales. The dealer in Wales sent sheep to Ross market. Movement through markets further perpetuated the spread of virus. Direct links with Longtown market, alone, have accounted for more than 24 outbreaks to date:

4.8 Buying and selling by dealers and further movement of sheep between farms and markets has resulted in widespread dissemination of foot-and-mouth disease. The outbreaks to date are described on a location basis.

## **CUMBRIA**

**FMD 2001/27** Early foot-and-mouth disease was diagnosed in dairy cattle. The cattle were contiguous to sheep and cattle in lairage at Longtown market.

**FMD 2001/48** Foot-and-mouth disease was diagnosed in cattle on a conjoined to FMD 2001/27.

**FMD 2001/37** Foot-and-mouth disease spread from FMD 2001/07 to sheep on this holding, the link being shared common grazings.

**FMD 2001/29** FMD was diagnosed in sheep purchased from Longtown market.

**FMD 2001/30** FMD was diagnosed in sheep purchased from Longtown Market.

**FMD 2001/35** FMD was diagnosed in sheep. The link is via the same haulier, as in FMD 2001/34, operating out of Longtown market.

**FMD 2001/45** FMD was diagnosed in sheep purchased from Longtown Market.

**FMD 2001/68** Savage, Calthwaite, Cumbria had disease diagnosed in sheep following contact with Longtown market

**FMD 2001/74** Skelton Maryport, Cumbria. Disease in sheep following contact with Longtown market.

**FMD 2001/75** Lyle, Culgaith, Penrith, Cumbria. Disease in sheep purchased from Longtown market.

**FMD 2001/76** Ferguson, Longtown, Cumbria had disease in cattle on premises adjacent to Longtown market, FMD 2001/40 and 41.

**FMD 2001/77** Brough, Carlisle. Disease was confirmed in sheep after slaughter as a dangerous contact to FMD 2001/27 and 40.

**FMD 2001/71** . Disease in sheep. The premises are contiguous with FMD 2001/24 and there are also numerous movements to and from local potentially infected markets.

**FMD 2001/79** Disease in sheep. The holding farm is in the vicinity of 5 IPs (FMD 2001/60,66,70,71 and 80) Introduction by local spread.

**FMD 2001/80** Disease in cattle, source as above.

**FMD 2001/94** Disease in cattle, probably local spread from FMD 2001/80, 60 and 71.

**FMD 2001/95** Disease in beef cattle. Source still under investigation.

**FMD 2001/97** Disease in cattle found following slaughter as a dangerous contact to FMD 2001/60.

**FMD 2001/109** Disease in cattle, near to premises associated with FMD 2001/7.

**FMD 2001/115** Disease in sheep, links with Taunton market being investigated.

**FMD 2001/128** Disease in cattle, possible links with Exeter market under investigation.

**FMD 2001/138** Disease in sheep, links under investigation.

#### **HEREFORD:**

**FMD 2001/11** The first outbreak of disease in Hereford was diagnosed in cattle belonging to a dealer. The link is movement of sheep from FMD 2001/7 in Devon.

**FMD 2001/20** Foot-and-mouth disease occurred in a group of sheep in Herefordshire, which were bought from FMD 2001/11. Sheep from the same group were sold through Ross Market.

**FMD 2001/51** Foot-and-mouth disease was confirmed in cattle on a contiguous to FMD 2001/65. FMD 2001/65 purchased sheep from Longtown and Welshpool markets.

#### **WORCESTERSHIRE:**

**FMD 2001/32** Foot-and-mouth disease was diagnosed in sheep. The link is Ross market.

**FMD 2001/67** Bromsgrove, Worcestershire had disease diagnosed in cattle. There are possible links with Worcester market and investigation are continuing into possible illegal movements of animals.



**FMD 2001/137** Kirknewton Fleming, Carlisle. Disease in cattle, associated with vehicle contact with Longtown market.

## **DEVON**

**FMD 2001/07.** The first outbreak in Devon was confirmed on 24/02/01. The route of infection is believed to be Hexham market to Longtown market to FMD 2001/07 through the movement of infected sheep. Infected sheep sent from FMD 2001/07 to Northampton market perpetuated the spread of virus through markets.

Local spread occurred in Devon to the following premises:

**FMD 2001/12** To cattle by movement of animals and/or straw bedding from FMD 2001/07.

**FMD 2001/09** To cattle on a holding rented by the owner of 2001/07.

**FMD 2001/18** To sheep in an abattoir. Infected sheep were sent to the abattoir from FMD 2001/9.

**FMD 2001/24** To sheep on a holding contiguous to FMD 2001/7. The owner of FMD 2001/24 is a drover at Holsworthy market. There was therefore a risk of further dissemination of virus through contact with his vehicle.

**FMD 2001/60** Cattle on a holding off a road between FMD 2001/09 and FMD 2001/07 both in the same ownership, and 3/4km east of FMD 2001/24

**FMD 2001/61** FMD diagnosed in sheep and cattle. Possible infection from local contamination from other IPs in the vicinity.

**FMD 2001/52** Foot-and-mouth disease was confirmed in a heifer. There is a possibility of a movement of sheep from FMD 2001/07.

**FMD 2001/54** The link is movement of machinery and personnel between FMD 2001/07 and the infected holding.

**FMD 2001/56** Foot-and-mouth disease was confirmed in. The link to this farm is under investigation.

**FMD 2001/66** Disease in sheep, possibly introduced by local spread from 3 contiguous holdings (FMD 2001/07, 79 and 80)

**FMD 2001/70** Disease in cattle. The premises are located near a number of other IPs including FMD 2001/7 and 18 and the source is from local spread.

**FMD 2001/21** Foot-and-mouth disease was diagnosed in sheep next to an abattoir near Preston. The source of infection at the abattoir is linked to the dealer FMD 15 who sent sheep to the abattoir on 18<sup>th</sup>, 19<sup>th</sup>, 22<sup>nd</sup> and 23<sup>rd</sup> of February.

**FMD 2001/46** FMD was diagnosed in sheep purchased from Longtown Market.

## **WALES**

**FMD 2001/13** Foot-and-mouth disease was confirmed in a lamb at an abattoir in Anglesey. The lamb occupied an infected pen. The origin of the infection is believed to be Longtown market.

**FMD 2001/19** Foot-and mouth disease was confirmed in sheep on a dealers premises in Knighton, Powys. The source of infection is believed to be Welshpool market.

**FMD 2001/22** Foot-and-mouth disease in sheep at Lloyd, Painscastle, Powys. The sheep were purchased from FMD 2001/11 – infection at Hill Farm came from infected markets via FMD 2001/7.

**FMD 2001/101** Llanddaniel, Anglesey. Disease in cattle, near to FMD 2001/13

**FMD 2001/110** Builth Wells. Disease in sheep, premises contiguous to FMD 2001/22

**FMD 2001/122** Llangaffo, Anglesey. Disease in cattle, linked with FMD 2001/13 and 101.

**FMD 2001/127** Llangaffo, Anglesey. Disease in sheep, premises contiguous to FMD 2001/13 and 122.

## **COUNTY DURHAM**

**FMD 2001/14** Foot-and-mouth disease was confirmed in sheep belonging to a haulier / sheep dealer at Wolsingham, Durham. The source of infection is believed to be **Darlington Market**.

**FMD 2001/17** One hundred and fifty sheep in lairage at an abattoir. The sheep came from FMD 2001/14 above.

**FMD 2001/43** FMD was diagnosed in sheep. Sheep were purchased from Longtown Market and Hexham market, both known to be infected.

**FMD 2001/49** Foot-and-mouth disease virus was confirmed on clinical grounds. To date no virus has been isolated and this outbreak has not been confirmed.



**FMD 2001/86** Kidderminster. Disease in cattle, personnel associations with FMD 2001/11

**FMD 2001/87** Kidderminster. Disease in sheep, same source as above

**FMD 2001/105** Bringsty, Worcester. Disease in sheep, link with Hereford market being investigated.

#### **WILTSHIRE:**

**FMD 2001/08** The first confirmed case of FMD in Wiltshire was in sheep at an abattoir in Chippenham. The sheep were sent for slaughter by FMD 2001/7 in Devon.

**FMD 2001/33** FMD spread from FMD 2001/08 to sheep on contiguous premises at Broham, Chippenham.

**FMD 2001/114** Berwick Bassett, Wiltshire. Disease in sheep, personnel links with FMD 2001/87

**FMD 2001/120** Marlborough, Wiltshire. Disease in sheep, same ownership as FMD 2001/87.

#### **YORKSHIRE**

**FMD 2001/82** Hawes, North Yorkshire. Disease in cattle. Links being investigated with Hawes market.

**FMD 2001/84** Bradford. Disease in cattle next to large sheep abattoir (Shelf) known to have sourced sheep from Longtown market.

#### **NORTHAMPTON**

**FMD 2001/16.** The reception centre, Blunts Farm. Sheep from FMD 2001/07 were moved through Northampton market to Blunts Farm where they were held prior to slaughter.

#### **STAFFORDSHIRE**

**FMD 2001/63** Abattoir, infection introduced in pigs from Northampton market or sheep from Longtown.

#### **LANCASHIRE**

**FMD 2001/15** The outbreak occurred at the premises of a sheep dealer at Chorley, Lancashire in sheep bought from Hexham market.

## **CORNWALL**

**FMD 2001/42** Foot-and-mouth disease was diagnosed in cattle Launceston, Cornwall. The link is sheep which were purchased at Ross market, a market now known to have been contaminated with foot-and-mouth disease virus.

**FMD 2001/58** Foot-and-mouth was diagnosed in sheep at Launceston, Cornwall. The owner is a stockman at FMD 2001/42.

## **OXFORDSHIRE**

**FMD 2001/47** Infected sheep were found at Bicester, Oxon. The link is an infected lorry out of Northampton market. The sheep were moved in a lorry, previously used to transport infected sheep from the market.

## **NORTHUMBERLAND**

**FMD 2001/04** The index. The outbreak started in a commercial pig fattening unit.

**FMD 2001/6** Cattle and sheep by assumed windborne spread from FMD 2001/04, 8km downwind

**FMD 2001/10** Cattle by assumed windborne spread from FMD 2001/06

**FMD 2001/31** Cattle by airborne from the FMD 2001/04.

**FMD 2001/36** Sheep, 2 miles from FMD 2001/04. The assumed method of spread is again airborne.

**FMD 2001/50** Sheep, Newcastle- Upon-Tyne.

## **DERBYSHIRE**

**FMD 2001/83** Marston on Grove, Derbyshire. Disease in sheep on premises next to large sheep abattoir known to have sourced sheep from Longtown market.

**FMD 2001/99** Marston on Dove, Derbyshire. Disease in sheep, premises contiguous with FMD 2001/83

**FMD 2001/103** Marston on Dove, Derbyshire. Disease in sheep, hay used stored on FMD 2001/99.

**FMD 2001/10** Hilton, Derbyshire. Disease in sheep, personnel connection to FMD 2001/83.

## SCOTLAND

**FMD 2001/29** Longtown, Carlise. FMD was diagnosed in sheep

**FMD 2001/44** Foot-and-mouth disease was diagnosed in sheep at Canonbie, Scotland. Kinstrey is one mile from FMD 2001/29.

**FMD 2001/59** Foot-and-mouth disease was diagnosed in sheep at Langholm, Dumfriesshire. The link is movement of stock to and from Longtown market.

**FMD 2001/28** Lockerbie, Scotland. FMD was diagnosed in sheep purchased from Longtown Market.

**FMD 2001/34** Kirkcudbright, Dumfries and Galloway. FMD was diagnosed in sheep. The link is via a haulier operating out of Longtown market.

**FMD 2001/59** Foot-and-mouth disease was diagnosed in sheep at Langholm, Dumfriesshire. The link is movement of sheep to and from Longtown market.

**FMD 2001/64** Gretna is a livestock haulier associated with Longtown. Infection was introduced in sheep from Longtown market.

**FMD 2001/65** Disease was diagnosed in sheep which had been in contact with sheep from Longtown market. The owner has 4,000 sheep held on 4 premises and is contiguous to and probably the source for FMD 2001/51 and 72.

**FMD 2001/72** Disease in sheep on premises contiguous to FMD 2001/65

**FMD 2001/85** Dumfries. Disease in cattle, other known IPs in the vicinity and the possibility of local spread. (FMD 2001/62 and 28)

**FMD 2001/90** Hartwood, Lockerbie. Disease in sheep, in the vicinity of FMD 2001/85

**FMD 2001/91** Lockerbie. Disease in cattle, in the vicinity of FMD 2001/28

**FMD 2001/98** Canonbie. Disease in sheep following contact with Longtown market.

**FMD 2001/100** Gretna. Disease in sheep, near to FMD 2001/76, 93, 27, 40 and 48.

**FMD 2001/112** Gretna. Disease in cattle, in the vicinity of FMD 2001/64.

**FMD 2001/117** Lockerbie. Disease in cattle, links with Lockerbie market under investigation.



**FMD 2001/118** Gretna. Disease in sheep, links with Longtown market under investigation

**FMD 2001/121** Canonbie, Dumfries. Disease in cattle, premises contiguous to FMD 2001/98

**FMD 2001/129** Canonbie, Dumfries. Disease in cattle, premises contiguous to FMD 2001/121, 29, 44 and 98.

**FMD 2001/135** Gretna. Disease in cattle, premises contiguous to FMD 2001/112 and 118.

## **5. EXPORT CONTROLS**

5.1 Following the confirmation of an outbreak of FMD in the United Kingdom (Great Britain), the issuing of export health certificates for FMD susceptible animals, their germplasm and products was suspended. Animal Health Offices were denied access to the computer system (CENTAUR) that generates official health certificate so that they could not be issued. Certificates already issued were withdrawn.

5.2. On 21 February, **Commission Decision 2001/145** came into force and banned the export from the whole of the UK of live animals, germplasm, fresh meat, meat products, milk and milk products, hides and skins of FMD susceptible species. Derogations to the export ban were given for the above commodities subject to the conditions laid down in Decision 2001/145. The ban does not apply to poultry, horses, cats and dogs.

5.4 Export certificates for Third Countries have been withdrawn. There is no legal base for prohibiting third country trade that is conducted by bi-lateral agreement. Where certificates have identified trade demand the UK have undertaken to look at current certification in respect of FMD disease clearance on a case by case basis. In view of the assurances given by the CVO to third countries that we have withheld all veterinary certification, export health certificates will not be released without the specific agreement of the third country concerned.

5.5 Decision 2001/145 has since been replaced successively by Decisions 2001/172 and 2001/190.

1. The Commission has received information from the Japanese Government that the Japanese Government has decided to grant a license to the Japanese Government to export to the United Kingdom a certain quantity of goods of the Japanese Government.

2. The Commission has also received information from the Japanese Government that the Japanese Government has decided to grant a license to the Japanese Government to export to the United Kingdom a certain quantity of goods of the Japanese Government.

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### ANNEX 1

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Summary Report Of Confirmed Cases

12 March 2001

12:39

MD No.	Confirmation Date	Prem. Type	County	Parish	Cattle	Sheep	Pigs	Goats	Link
1	20/02/01	Abattoir	Essex	Little Warley	2	0	308	0	Tracing from 04.
2	21/02/01	Farm	Essex	Upminster	31	0	37	0	Movements from 01.
3	22/02/01	Farm	Essex	Great Warley	190	0	0	0	Movements from 01.
4	23/02/01	Farm	Tyne & Wear	Heddon-on-the-Wal	0	0	523	0	Likely Source.
5	23/02/01	Farm	Essex	Canewdon	0	0	500	0	Human contact with 01.
6	23/02/01	Farm	Tyne & Wear	Ponteland	101	366	0	0	Aerial from 04.
7	24/02/01	Farm	Devon	Highampton	200	730	0		Longtown Mkt
8	26/02/01	Abattoir	Wilts	Bromham	30	1,452	0	1	Tracing from 07
9	26/02/01	Farm	Devon	Hatterleigh	66	33	0	0	Tracing from 07
10	26/02/01	Farm	Tyne & Wear	Woolsington	115	0	0	0	Lorry contact from Hexham Mkt
11	26/02/01	Farm	Herefords	Llangaron	279	591	0	0	Tracing from 07
12	26/02/01	Farm	Devon	Hollacombe	105	146	0	0	Tracing from 07
13	27/02/01	Abattoir	Anglesey	Gaerwen	0	3,513	0	0	Traced from Longtown Market
14	27/02/01	Farm	Co Durham	Wolsingham	0	39	0	0	Darlington Market
15	27/02/01	Farm	Lancs	Withnell	0	900	0	0	Traced from Hexham Market
16	27/02/01	Farm	Northants	Wooton	0	558	0	0	Traced from Northampton Market
17	27/02/01	Abattoir	Co Durham	Witton le Wear	53	150	44		Lorry contacts 07, 14
18	27/02/01	Abattoir	Devon	Hatterleigh	0	5	0	0	Feakins, FMD11
19	28/02/01	Farm	Powys	Beguildy	54	364	0	0	Traced from Welshpool Mart
20	28/02/01	Farm	Herefords	Llangarron	264	752	0	0	Traced from 11



FMD No.	Confirmation Date	Prem. Type	County	Parish	Cattle	Sheep	Pigs	Goats	Link
21	28/02/01	Abattoir	Lancs	Great Harwood		34	0	0	Traced from 13, 15, 18, 19 and 22
22	28/02/01	Farm	Powys	Clyro/Llandewi	0	736	0	0	Traced from 11
23	28/02/01	Farm	Leics	Stonesly		179	0	0	FMD7 via Northampton Mkt
24	28/02/01	Farm	Devon	Highampton		164	0	0	FMD7
25	28/02/01	Farm	Warwicks	Drayton	220	80			FMD7
26	28/02/01	Farm	Essex	North Fambridge		600	2		Contiguous to 2001/05
27	28/02/01	Farm	Cumbria	Longtown	607	5,200			Longtown Market
28	01/03/01	Farm	Dumfries & Galloway	Dryfesdale	34	410			Longtown Mkt
29	01/03/01	Farm	Dumfries & Galloway	Cannonbie	217	68			Traced Longtown Market
30	01/03/01	Farm	Cumbria	Tirril	371	9,500			Traced Longtown Market
31	01/03/01	Farm	Tyne & Wear	Whorlton	35		53		Contiguous to 04 and 10
32	01/03/01	Farm	Worcs	Feckenham	3	153			Ross Mkt
33	01/03/01	Farm	Wilts	Bromham		31			Linked to 08
34	02/03/01	Farm	Dumfries & Galloway	Twynholm	552	3,773			Longtown Market
35	02/03/01	Farm	Cumbria	Kirkoswald	180	1,900			Lorry ex Longtown Mart
36	02/03/01	Farm	Tyne & Wear	Dinnington	180	77			Airborne from FMD4
37	02/03/01	Farm	Cumbria	Longtown	300	670			Common Grazing 27
38	02/03/01	Farm	Staffs	Bramstall	340	12			Northampton Market
39	02/03/01	Farm	London	Gt Warley	195		6		Contiguous to FMD2
40	02/03/01	Market	Cumbria	Longtown	88				Longtown Market
41	02/03/01	Farm	Cumbria	Longtown		89			Longtown Market

MD No.	Confirmation Date	Prem. Type	County	Parish	Cattle	Sheep	Pigs	Goats	Link
2	02/03/01	Farm	Cornwall	South Petherwin	180	600			Contact with 11,20 Traced Ross Market)
3	03/03/01	Farm	Northumberland	Shotley Lowquarter	2	87		2	Longtown Mkt, Hexham Mkt
4	03/03/01	Farm	Dumfries & Galloway	Canonbie	108	250	0	0	Within IP for Canonbie
5	03/03/01	Farm	Cumbria	Hayton	50	1,000	0	0	Longtown Mkt
6	03/03/01	Farm	Lancs	Halton	153	600	0	0	Longtown Mkt
7	03/03/01	Farm	Oxon	Chesterton and Wer	0	351	0	0	Northampton Market
8	03/03/01	Farm	Cumbria	Longtown	180	4,000	0	0	FMD 27
9	03/03/01	Farm	Co Durham	Hamsterley	0	0	2,000	0	FMD4
10	03/03/01	Farm	Tyne & Wear	Heddon on the Wall	0	184	0	0	DC for FMD04
11	03/03/01	Farm	Herefords	St. Weonards	0	50	100	0	FMD 11 & 20
12	03/03/01	Farm	Devon	Lydford	149	350	0	0	FMD7
13	03/03/01	Farm	Tyne & Wear	East Heddon	166	211	0	0	FMD04
14	03/03/01	Farm	Devon	Beaworthy	120	60	0	0	FMD07
15	03/03/01	Farm	Tyne & Wear	Heddon on the Wall	24	100	0	0	FMD04
16	03/03/01	Farm	Devon	Broadwoodkelly	201	0	0	0	FMD7?
17	04/03/01	Farm	Tyne & Wear	Wolsington	229	264	0	0	Airborne from FMD4
18	04/03/01	Farm	Cornwall	Lezant	61	190	64	0	fmd42
19	04/03/01	Farm	Dumfries & Galloway	Langholm	165	1,341	0	0	Longtown Mkt
20	04/03/01	Farm	Devon	Highampton	134	110	0	0	FMD 07, 09
21	04/03/01	Farm	Devon	North Lew	94	35	0	0	FMD 07

FMD No.	Confirmation Date	Prem. Type	County	Parish	Cattle	Shee	Pigs	Goats	Link
62	04/03/01	Farm	Dumfries & Galloway	Dalton	2	1,300	0	0	Longtown Mkt
63	04/03/01	Farm	Staffs	Lichfield	51	1,004	0	0	Lorry link to Dumfrieshire
64	04/03/01	Farm	Dumfries & Galloway	Gretna	20	491	0	0	Longtown Mkt
65	04/03/01	Farm	Herefords	St. Weonards	305	2,500	0	0	FMD 51, 20
66	04/03/01	Farm	Devon	Highampton	0	26	0	0	FMD07
67	04/03/01	Farm	Worcs	Bromsgrove	250	20			FMD77
68	04/03/01	Farm	Cumbria	Hesket	118	900			Longtown Mkt
69	05/03/01	Farm	Co Durham	Bishop Auckland	100	410			FMD17
70	05/03/01	Farm	Devon	Hatherleigh	173	425			FMD18 & 7
71	05/03/01	Farm	Devon	Highampton		450			Within an infected area
72	05/03/01	Farm	Herefords	St. Weonards	212	432			FMD65
73	05/03/01	Farm	Dumfries & Galloway	Beattock		1,516			Linked to Longtown mkt FMD40/41
74	05/03/01	Farm	Cumbria	Deerham		800			Longtown Market
75	05/03/01	Farm	Cumbria	Culgaith		900			Longtown Market
76	06/03/01	Farm	Cumbria	Longtown	220	150			Longtown Market
77	06/03/01	Farm	Cumbria	Kirkandrew on Esk		110			FMD27 and FMD40
78	06/03/01	Farm	Co Durham	Witton-le-Wear		22			FMD17
79	06/03/01	Farm	Devon	Highampton	168				FMD71
80	06/03/01	Farm	Devon	Highampton	450	603			FMD66
81	07/03/01	Farm	Cumbria	Arthuret	251	737			FMD29
82	07/03/01	Farm	N Yorks	Hawes	97	160			Under investigation



FMD No.	Confirmation Date	Prem. Type	County	Parish	Cattle	Sheep	Pigs	Goats	Link
3	07/03/01	Farm	Derbyshire	Marston on Dove	30	514			Under investigation
4	07/03/01	Farm	W Yorks	Queensbury	135				Under investigation
5	07/03/01	Farm	Dumfries & Galloway	Dalton	450	40			FMD28
6	07/03/01	Farm	Worcs	Chaddesley Corbett	1,470	1,375			FMD11
7	07/03/01	Farm	Wilts	Stype	60	6			FMD11
8	07/03/01	Farm	Cumbria	Arthuret	90	35			FMD37,77
9	07/03/01	Farm	Co Durham	Muggleswick	104	364			FMD43
0	07/03/01	Farm	Dumfries & Galloway	Dalton		1,600			FMD85
1	07/03/01	Farm	Dumfries & Galloway	Tundergarth	54	427			FMD28
2	07/03/01	Farm	Cumbria	Arthuret		700			FMD27
3	07/03/01	Farm	Cumbria	Krkandrews-on-Esk		199			FMD27
4	07/03/01	Farm	Devon	Highampton	99	32			FMD 71, 79,80
5	07/03/01	Farm	Devon	Winkleigh	160				Under Investigation
6	08/03/01	Farm	Cumbria	Aikton	360	150			FMD15
7	08/03/01	Farm	Devon	Beaworthy	141	295			FMD 60
8	08/03/01	Farm	Dumfries & Galloway	Canonbie	60	200			FMD64
9	08/03/01	Farm	Derbyshire	Marston on Dove	47	160			FMD83
100	08/03/01	Farm	Dumfries & Galloway	Arthuret	32	130			FMD76, 41, 93, 27, 40, 48
101	08/03/01	Farm	Anglesey	llandaniel	300	640			FMD13
102	08/03/01	Farm	Essex	South Woodham Fe	26	480	430	2	Under Investigation
103	08/03/01	Farm	Derbyshire	Marston-on-Dove		25			FMD83 and 99

FMD No.	Confirmation Date	Prem. Type	County	Parish	Cattle	Shee	Pigs	Goats	Link
104	08/03/01	Farm	Cumbria	Bowness on Solway	320	270			FMD96
105	08/03/01	Farm	Herefords	Brockhampton		460			FMD11 and 20
106	08/03/01	Farm	Cumbria	Skelton	200	350			Under investigation
107	08/03/01		Cumbria	Arthuret	600	1,400			Under investigation
108	09/03/01	Farm	Derbyshire	Hoon	97	62			FMD 2001/83
109	08/03/01	Farm	Devon	Shebbear	340	300			Under investigation
110	08/03/01	Farm	Powys	Painscastle		52		7	FMD22
111	08/03/01	Farm	Cumbria	Lazonby	150	950			FMD35
112	08/03/01		Dumfries & Galloway	Gretna	142	90			FMD/2001/64
113	08/03/01	Farm	Cumbria	Hayton	280	260			Under investigation
114	08/03/01	Farm	Wilts	Berwick Bassett		207			FMD87
115	09/03/01	Farm	Somerset	Bidisham		620			Under investigation
116	09/03/01	Farm	Staffs	Leigh	118				FMD38
117	09/03/01	Farm	Dumfries & Galloway	Lochmaben	180	30			Under investigation
118	09/03/01	Farm	Dumfries & Galloway	Rigg	340	1,100			Under investigation
119	09/03/01	Farm	Cumbria	Easton	142	199			Under investigation
120	09/03/01	Farm	Wilts	Preshute	195	500			FMD87
121	09/03/01	Farm	Dumfries & Galloway	Cannonbie	168	333			FMD98
122	09/03/01	Farm	Anglesey	Newborough	166	240			Under investigation
123	09/03/01	Farm	Leics	Hinkley	62				FMD/2001/25
124	09/03/01	Farm	Co Durham	Thorenley	100	210			Under investigation

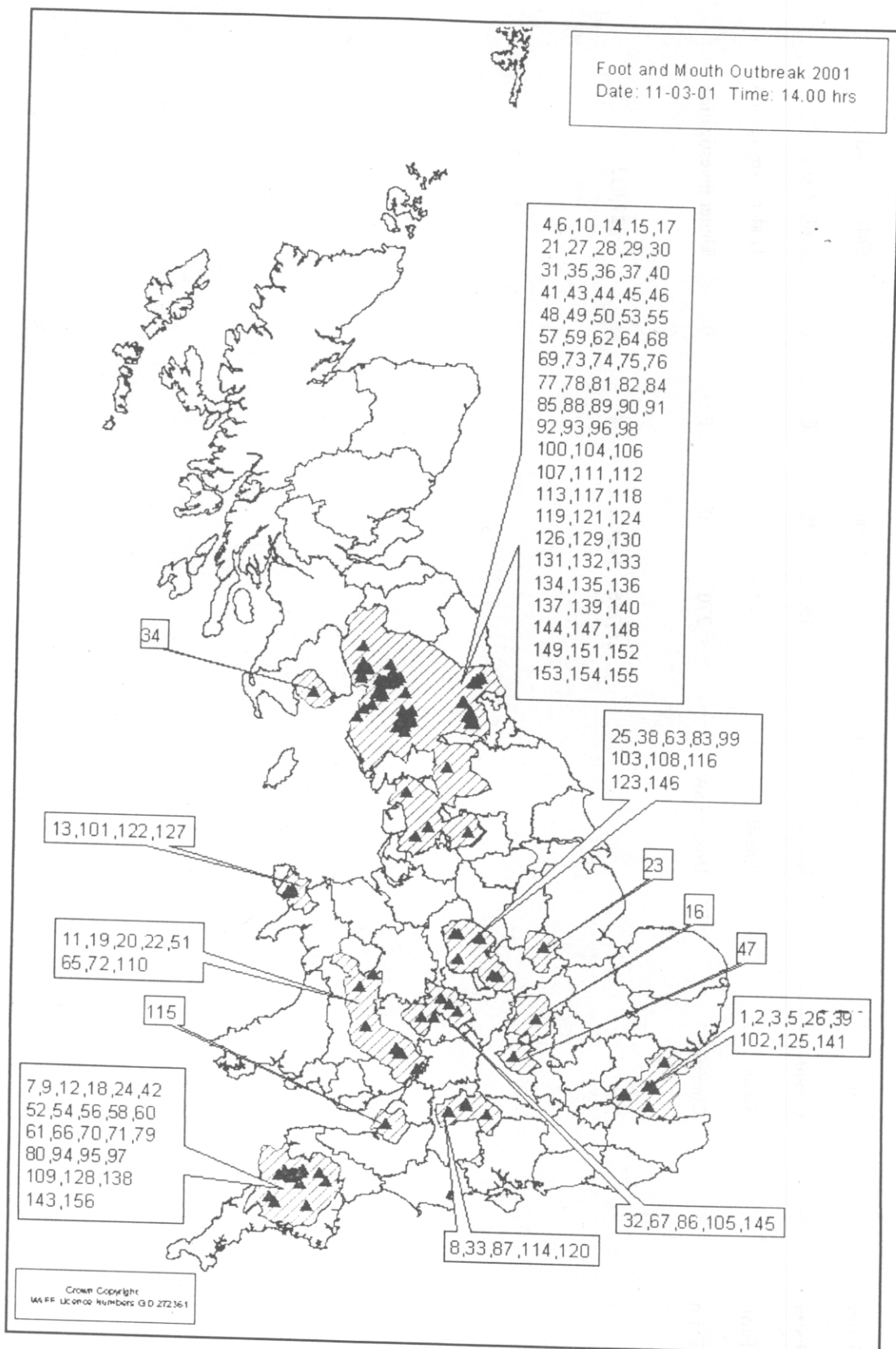
FMD No.	Confirmation Date	Prem. Type	County	Parish	Cattle	Sheep	Pigs	Goats	Link
125	09/03/01	Dealer	Essex	Layer-de-la-Haye	24	1,300	2		FMD/2001/07
126	09/03/01	Farm	Cumbria	Penrith	448	767			Under investigation
127	09/03/01	Farm	Anglesey	Llangaffo		31			Contiguous FMD 13, 122
128	09/03/01	Farm	Devon	Crediton Hamlet	292	101	0	0	Under Investigation
129	09/03/01	Farm	Dumfries & Galloway	Canonbie	101	711	0	0	Contiguous 121,98, 44, 29
130	09/03/01	Farm	Co Durham	Bishop Auckland	16	217			FMD14
131	09/03/01	Farm	Cumbria	Kirkandrews on Esk	340	750			FMD76
132	09/03/01	Farm	Cumbria	Thackwaite	3	450			FMD40, 41
133	09/03/01	Farm	Cumbria	Kirkbrampton	82	260			FMD96
134	09/03/01	Farm	Co Durham	Satley	158	543			FMD14
135	10/03/01	Farm	Dumfries & Galloway	Gretna	230	335			FMD 112, 118
136	09/03/01	Farm	Cumbria	Arthuret	262	205			FMD 40, 41
137	10/03/01	Farm	Dumfries & Galloway	Kirkpatrick Fleming	419	261			FMD40, 41
138	09/03/01	Farm	Devon	Morchard Bishop	199	926			Under Investigation
139	10/03/01	Farm	Cumbria	Edenhall	472	1,630	0	0	FMD/2001/75
140	10/03/01	Farm	Dumfries & Galloway	Gretna	380	177			FMD/2001/64, 112
141	10/03/01	Farm	Kent	Allhallows	72				Under Investigation
142	11/03/01	Farm	Powys	Church Stoke	228	0	0	0	Welshpool Market
143	11/03/01	Farm	Devon	Okehampton	90	450			FMD71
144	11/03/01	Farm	Cumbria	Dacre	230	1,130	0	0	FMD126, FMD106
145	11/03/01	Farm	Worcs	Bringsty	127	300			FMD 105



FMD No.	Confirmation Date	Prem. Type	County	Parish	Cattle	She	Pigs	Goats	Link
146	11/03/01	Farm	Derbyshire	Marston on Dove	106				FMD 201/103 and FMD 99
147	10/03/01	Farm	Cumbria	Aikton	54	36			Under investigation
148	10/03/01	Farm	Ayrshire	Dumfries and Gallo	174	900			Under investigation
149	11/03/01	Farm	Cumbria	Askham	178	800			Under investigation
150	10/03/01	Farm	Glos	Blakeney	1	500	17	1	Ross Market
151	11/03/01	Farm	Cumbria	Brownfield	500	250			Under investigation
152	09/03/01	Farm	Northumberland	Heddon on the Wall	165				FMD53
153	11/03/01	Farm	Cumbria	Aikton	144	235			FMD96
154	10/03/01	Farm	Dumfries & Galloway	Dryfesdale	83	757			FMD 28
155	11/03/01	Farm	Co Durham	Hampsterley	450	2,500			FMD 17
156	11/03/01	Farm	Devon	MonkOkehampton	125	125	700		Link to FM0 56.
157	11/03/01	Farm	Devon	Hatherleigh		128			FMD18
158	11/03/01	Farm	Cumbria	Hunsonby	242				Under investigation
159	11/03/01	Farm	Herefords	St Weonards	130	460			FMD 65, 72, 51
160	11/03/01	Farm	Cumbria	Kirkoswald	340	1,200			Under investigation
161	10/03/01	Farm	Devon	Iddesleigh	215	1,400	12	5	FMD 95 ( 3 kms)
162	11/03/01	Farm	Northumberland	Shotley Low Quarte	180	800			FMD43
163	11/03/01	Farm	Cumbria	Sockbridge and Tirn	39	500			FMD 30
164	11/03/01	Farm	Devon	Hatherleigh	80	71			FMD9
165	11/03/01	Farm	Wores	Brockhampton		49			FMD 105, 145
166	11/03/01	Farm	Dumfries & Galloway	Canonbie	387	850			FMD 121, 98

FMD No.	Confirmation Date	Prem. Type	County	Parish	Cattle	Sheep	Pigs	Goats	Link
167	11/03/01	Farm	Cumbria	Kirkbrampton	650	400			FMD/2001/153
168	11/03/01	Farm	Wilts	Ramsbury	50	150	0	0	FMD 2001/87
169	12/03/01	Farm	Lancs	Burton in kendal	270	2,200			FMD2001/46
170	11/03/01	Farm	Cumbria	Huddon	197	576	0	0	FMD/2001/132
171	12/03/01	Farm	Staffs	Pelsall	90				Under investigation
172	12/03/01	Farm	Cumbria	Holme Law	270	0	0	0	Under investigation
Total Stock					25,756	96,450	4,798	18	127,022

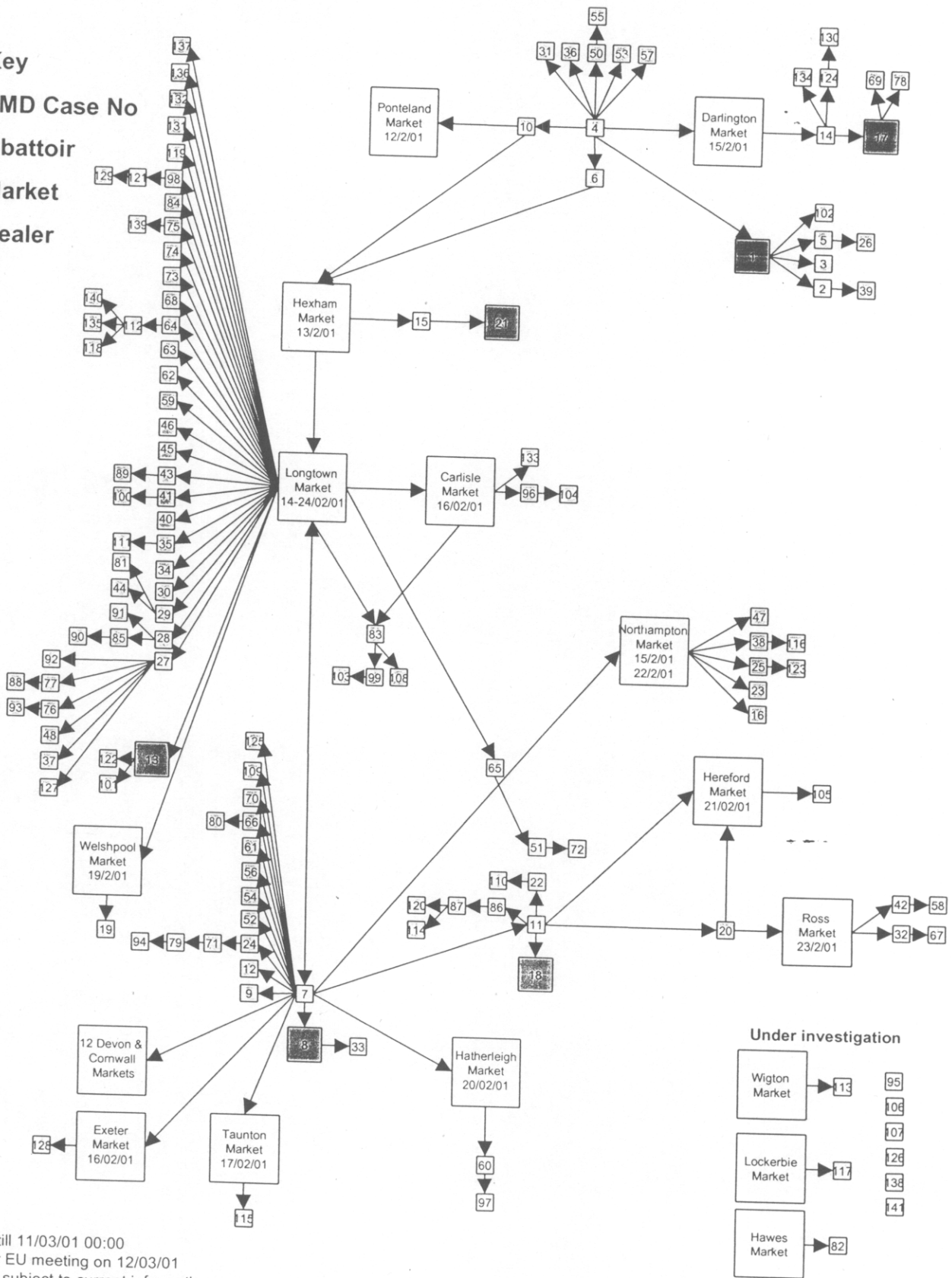
Foot and Mouth Outbreak 2001  
Date: 11-03-01 Time: 14.00 hrs



# Links between FMD cases

## Key

- 1 FMD Case No
- Abattoir
- Market
- Dealer



FMD cases till 11/03/01 00:00  
 Prepared for EU meeting on 12/03/01  
 NB links are subject to current information



Link between FTD cases